CLAIMS

[c1] 1. A code division multiple access (CDMA) mobile station (MS), comprising:

a radio circuit configured to communicate with a CDMA radio access network (RAN) using CDMA protocol; and

a subscriber circuit configured to communicate with a GSM subscriber identity module (SIM) to permit the MS to authenticate itself with a GSM core infrastructure, whereby use of the CDMA RAN with the GSM core infrastructure is facilitated.

[c2] 2. The MS of Claim 1, further comprising the SIM.

[c3] 3. The MS of Claim 2, wherein the MS reads at least one identifier from the SIM upon engagement of the SIM with the MS.

[c4] 4. The MS of Claim 3, wherein the identifier is an International Mobile Subscriber Identity (IMSI).

[c5] 5. The MS of Claim 4, wherein the IMSI is transmitted by the MS in at least one message.

[c6] 6. The MS of Claim 5, wherein the message is a registration message.

[c7] 7. The MS of Claim 5, wherein the message is an origination message.

[c8] 8. The MS of Claim 5, wherein the message is a page response message.

[c9] 9. The MS of Claim 1, wherein the MS selectively displays at least one service provider name.

[c10] 10. The MS of Claim 1, wherein the MS selectively displays at least one mobile directory number.

[c11]   11.   The MS of Claim 2, wherein the MS permits a user to use the MS only if the user inputs a predetermined verification value to the MS.

[c12]   12.   The MS of Claim 2, wherein the MS terminates a call upon removal of the SIM from the MS.

[c13]   13.   The MS of Claim 12, wherein the MS deletes subscriber information upon removal of the SIM from the MS.

[c14]   14.   The MS of Claim 2, wherein the MS periodically checks for the presence of the SIM in the MS and terminates a call when the MS determines that the SIM is no longer engaged with the MS.

[c15]   15.   The MS of Claim 1, wherein the MS uses cdma2000 principles.

[c16]   16.   A method for facilitating the use of a CDMA RAN with a GSM core infrastructure, comprising:

engaging a SIM with a CDMA MS;

transmitting at least one IMSI stored on the SIM to an MSC using a CDMA RAN;

using the IMSI, authenticating the SIM with a GSM core infrastructure; and

based on the authenticating act, registering the MS with SIM with the MSC.

[c17]   17.   The method of Claim 16, further comprising transmitting the IMSI in at least one message.

[c18]   18.   The method of Claim 17, wherein the message is a registration message.

[c19]   19.   The method of Claim 17, wherein the message is an origination message.

[c20]   20.   The method of Claim 17, wherein the message is a page response message.

[c21]   21.   The method of Claim 16, comprising selectively displaying at least one service provider name on the MS.

[c22]   22.   The method of Claim 16, comprising selectively displaying at least one mobile directory number on the MS.

[c23]   23.   The method of Claim 16, comprising permitting a user to use the MS only if the user inputs a predetermined verification value to the MS.

[c24]   24.   The method of Claim 16, comprising terminating a call upon removal of the SIM from the MS.

[c25]   25.   The method of Claim 24, comprising deleting subscriber information upon removal of the SIM from the MS.

[c26]   26.   The method of Claim 16, comprising periodically determining whether the SIM is engaged with the MS and terminating a call when it is determined that the SIM is no longer engaged with the MS.

[c27]   27.   The method of Claim 16, wherein the MS uses cdma2000 principles.

[c28]   28.   A system for facilitating the use of a CDMA RAN with a GSM core infrastructure, comprising:

an MSC communicating with the CDMA RAN using CDMA protocol, the MSC also communicating with the GSM core infrastructure using GSM protocol;

at least one MS communicating with the CDMA RAN and having a registration in the GSM core infrastructure; and

at least one SIM detachably engageable with the MS for authenticating the MS with the GSM core infrastructure.

[c29]   29.   The system of Claim 28, wherein the MS reads at least one identifier from the SIM upon engagement of the SIM with the MS.

[c30]   30.   The system of Claim 29, wherein the identifier is an International Mobile Subscriber Identity (IMSI).

[c31]   31.   The system of Claim 30, wherein the IMSI is transmitted by the MS in at least one message.

[c32]   32.   The system of Claim 31, wherein the message is a registration message.

[c33]   33.   The system of Claim 31, wherein the message is an origination message.

[c34]   34.   The system of Claim 31, wherein the message is a page response message.

[c35]   35.   The system of Claim 28, wherein the MS selectively displays at least one service provider name.

[c36]   36.   The system of Claim 28, wherein the MS selectively displays at least one mobile directory number.

[c37]   37.   The system of Claim 28, wherein the MS permits a user to use the MS only if the user inputs a predetermined verification value to the MS.

[c38]   38.   The system of Claim 28, wherein the MS terminates a call upon removal of the SIM from the MS.

[c39]   39.   The system of Claim 38, wherein the MS deletes subscriber information upon removal of the SIM from the MS.

[c40]   40.   The system of Claim 28, wherein the MS periodically checks for the presence of the SIM in the MS and terminates a call when the MS determines that the SIM is no longer engaged with the MS.

[c41]   41.   The system of Claim 28, wherein the MS uses cdma2000 principles.

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